

## Why Choose a pH Adjustment System?

Wastewater produced from industrial processes is a common occurrence. The wastewater can either be acidic or alkaline in pH and is not permitted to be discharged into the public sewer system. A reliable solution for treating this industrial wastewater would be a fully automated, skid mounted batch or continuous pH adjustment system.

At Anchor Pump & Engineered Equipment, we work closely with the customer to define exactly what your result requirements are for the application. Our pre-packaged pH adjustment systems will treat a variety of industrial waste streams and can be configured to neutralize and automatically adjust the pH of your wastewater. By automating this adjustment process, we can greatly reduce your labor costs, and eliminate accidents and potential illegal discharge violations. Our pH systems are engineered to pump, measure, treat, neutralize, and discharge your wastewater.

Every wastewater stream is different, so choosing the right pH adjustment system requires some discussion. We have many different standard systems that will reliably offer a complete, automated solution to your given process, but we can also customize a system to deal with extreme requirements. Whether your requirements are space limited, outdoor or remote locations, extremely aggressive chemicals needing secondary containment with leak proof provisions, or sophisticated PLC control through a Building Management System, we can provide the best-in-class engineered system for any given application.

## An Important Note About "Hybrid" pH Systems

Whether ordering a Wastech pH adjustment system or not, beware of so-called "hybrid" systems, that attempt to eliminate important neutralization steps to reduce cost.

These systems utilize a re-circulation pump and inject treatment chemicals into a re-circulation line rather than directly into the reaction tank. Wastech no longer designs these systems, as experience has shown them to have significant drawbacks, including the following:

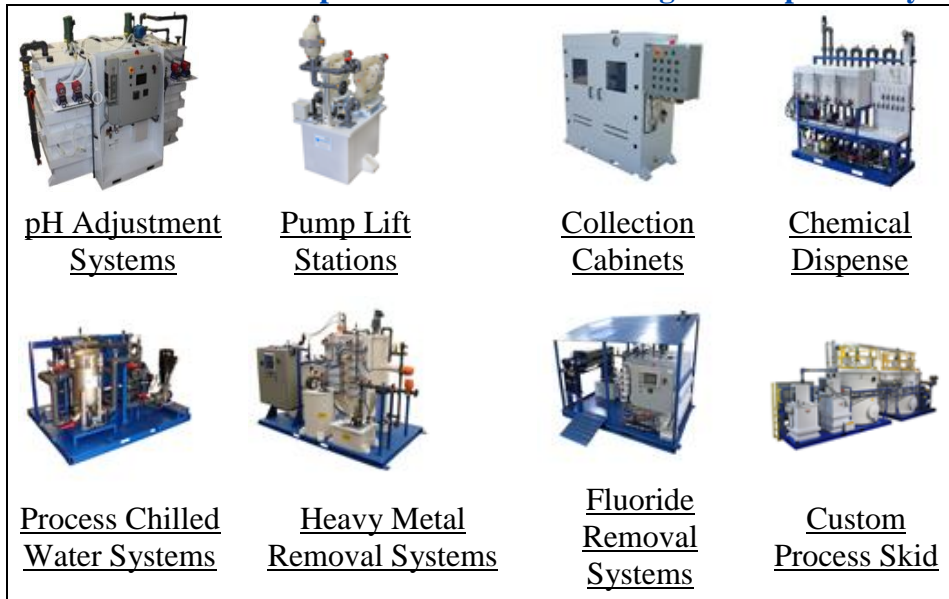
1. A continuously operating re-circulation pump is simply another piece of equipment that will wear and require replacement.
2. A flow sensor for proof of flow to enable chemical injection adds another instrument to the system that is prone to fouling and malfunction.

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3. Often encountered in the industry, injection of both acid and caustic into the same line can result in accidental mixing that causes system piping to melt.
4. Pressurized re-circulation piping is an additional point of leakage should a crack develop.

**Check out Wastech's complete line of industrial engineered process systems**



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